Tender Document – Qualification Criteria

General Criteria

In this section basic guidelines / eligibility criteria are defined for the selection of the vendor.

Criteria	Description
Company Existence	Company should be registered under Companies Act, 1956 or Companies Act 2013 or a Partnership firm/LLP registered in India under Partnership Act 1932/2008 as amended and should have been in operations in India in the last 3 Years
Annual Turnover/Net Worth (CA certified documents) (Except the Covid FYs 2020-21 and 2021-22)	Average Annual turnover of 200% of estimated cost of the project in the last 03 financial years Or Cumulative Turnover of 600% of estimated cost of the project in the last 03 financial years. Or Average Annual Net Worth of minimum of 50% of estimated cost of the project in the last 03 financial years Or Cumulative Net Worth of minimum of 150% of estimated cost of the project in the last 03 financial years
Positive Net Worth/Profitability	Profitable/positive net worth in the last financial year Solvent entity
Work Experience (Self- certified with relevant documents)	One Similar work of minimum value of 80% of estimated cost of the project or Two Similar works of minimum value of 60% of the estimated cost of project or Three Similar works of minimum value of 40% of the estimated cost of project Note: Similar works will be defined based on scope of the work. Similar works may be executed with any Central and State Government agency, PSUs, Private organizations.
Non-Blacklisting Certificate	The bidder should not have been blacklisted /debarred by any Governmental/Non-Governmental Organization in India as on bid submission date
Certification if required	The Bidder should have valid ISO 9001:2008/ISO 9001:2015 (relevant certification based on type of work) valid as on bid submission

These conditions are mandatory and will override already selected parameters/conditions in case any difference.

Annexure- I

DETAILED TECHNICAL SPECIFICATIONS

SPECIFICATION OF DYNAMIC MICROPHONE

1. SCOPE

This specification lays down the performance requirement of 15 Nos. (03 Nos. for each station) of Professional Studio dynamic Microphones for setting up of Visual Radio System at Akashvani Bhopal, Raipur, Mumbai, Ahmedabad, Panaji.

2. ESSENTIAL FEATURES

2.1 Dynamic Microphone

- The offered product should be Cardioid Dynamic Vocal Microphone.
- It should have uniform cardioid pattern to isolates the main sound source and minimizes background noise.
- It should have spherical mesh grille and built-in pop filter to Screen out unwanted air.
- It should have Pneumatic shock-mount system to cuts down handling noise.
- It should have durable construction and the break-resistant stand adapter.
- It should have Dark gray, enamel-painted, die cast metal; matte-finished, silver colored, spherical steel mesh grille.

3. TECHNICAL SPECIFICATIONS

SR. NO.	PARAMETERS	VALUES	Complied/ Not Complied (To be filled by Firm)
3.1		**Dynamic Microphone**	
3.1.1	Type	Dynamic	
3.1.2	Frequency Response	50 to 15,000 Hz	
3.1.3	Polar Pattern	Cardioid	
3.1.4	Impedance	150 Ω	
3.1.5	Sensitivity	-54.5 dBV/Pa (1.8 mV) 1 Pa	
3.1.6	Audio Output	3 Pin XLR	
3.1.7	Accessories	Microphone Stand Adapter	

4. ACCESSORIES

- All the essential accessories required to complete the system should be provide by the bidder.
- The bidder should certify the completeness of the system in all respect.

5. OEM AUTHORIZATION

- Bidder has to be upload Bid Specific OEM Authorization while upload the bid docs.

These conditions are mandatory and will override already selected parameters/conditions in case any difference.

6. WARRANTY

- 01 Year from the date of Supply.

BILL OF MATERIAL (BOM)

SR. NO.	DESCRIPTION OF THE ITEM	MAKE	MODEL	HSN/SAC	QTY.	UNIT PRICE	TOTAL PRICE
1	Professional Studio dynamic Microphones				15 Nos. (03 Nos. for each station)		

These conditions are mandatory and will override already selected parameters/conditions in case any difference.

SPECIFICATION OF PROFESSIONAL STEREO HEADPHONE

1. SCOPE

This specification lays down the performance requirement of 15 Nos. (03 Nos. for each station) of High-quality Professional Stereo Headphone for setting up of Visual Radio System at Akashvani Bhopal, Raipur, Mumbai, Ahmedabad, Panaji.

2. ESSENTIAL FEATURES

2.1 Professional Headphone

- The offered product should be High-quality closed, around-the-ear professional headphone.
- It should have modular design and better noise isolation.
- It should have soft earpads for a comfortable fit.
- It should have extremely robust construction.
- It should have foldable and rotating earcups for space-saving transport.
- It should have tough, single-sided cable.

3. TECHNICAL SPECIFICATIONS

SR. NO.	PARAMETERS	VALUES	Complied/ Not Complied (To be filled by Firm)
3.1		**High-quality Professional Stereo Headphone**	
3.1.1	Frequency response	8-25000 Hz	
3.1.2	Sound pressure level (SPL)	113 dB	
3.1.3	Wearing style	Headband	
3.1.4	Color	Black	
3.1.5	THD, total harmonic distortion	0.1%	
3.1.6	Contact pressure	6 N	
3.1.7	Ear coupling	Circumaural	
3.1.8	Jack plug	3.5 mm jack plug with 6.3 mm adapter	
3.1.9	Connection cable	Coiled Cable (min. 1.3m / max. 3m)	
3.1.10	Acoustic principle	Dynamic, closed	
3.1.11	Weight	w/o cable: 285 g	
3.1.12	Nominal impedance	64 Ω	

These conditions are mandatory and will override already selected parameters/conditions in case any difference.

4. ACCESSORIES

- All the essential accessories required to complete the system should be provided by the bidder. The bidder should certify the completeness of the system in all respects.

5. OEM AUTHORIZATION

- Bidder has to upload BID specific OEM authorization while bidding.

6. COMPLIANCE STATEMENT

- A point by point compliance statement duly signed by the bidder in respect of all the points laid down in the specifications for all the equipment/items should be submitted along with the bid by the bidder.

7. WARRANTY

- 02 Years from the date of Supply.

BILL OF MATERIAL (BOM)

SR. NO.	DESCRIPTION OF ITEMS	MAKE	MODEL	QTY	UNIT PRICE	TOTAL PRICE
1	High-quality Professional Stereo Headphone			15 Nos. (03 Nos. for each station)		

These conditions are mandatory and will override already selected parameters/conditions in case any difference.

SPECIFICATION OF 55-INCH SMART QLED TELEVISION

SCOPE

This specification lays down the performance requirement of 5 Nos. (01 Nos. for each station) of 55-inch Smart QLED Televisions for setting up of Visual Radio System at Akashvani Bhopal, Raipur, Mumbai, Ahmedabad, Panaji.

1. 55-INCH SMART QLED TELEVISION

1.1 Essential Features:

- **1.1.1** The offered product must have a screen size between 50 and 55 inches (precisely specified as 55 inch / 139 cm).
- **1.1.2** The display technology should support QLED with an **IPS (In-plane switching)** panel.
- **1.1.3** The TV must support a native Ultra HD resolution of 3840 × 2160 pixels.
- **1.1.4** The equipment must be structurally robust to support a demanding operational duty cycle of minimum **24**x7 Hours.
- **1.1.5 Applicable Standards & Certifications:** The product must be completely brand new and comply with all statutory regulations:
  - **BIS Certification:** Mandatorily certified by the Bureau of Indian Standards (BIS) ensuring baseline equipment safety standards.
  - **BEE Energy Labelling:** Compliance with statutory BEE Star Rating requirements as per the current UHD TV notification **S.O. 2785(E) (UHD_TV Notification)** for energy efficiency.
  - **ISO 9001 or ISO 27001 certification**
- **1.1.6** Procurement package must include wall mounting kit, remote control, batteries, and the standard power cord & HDMI cord.

1.2 Technical Specifications Table:

S. NO.	PARAMETER	SPECIFICATION	Complied/ Not Complied (To be filled by Firm)
1	Screen Size	55 inch (139 cm)	
2	Display Technology	QLED	
3	Panel Technology	IPS (In-plane switching)	
4	Resolution	4K or Ultra HD 3840 x 2160	
5	Refresh Rate	Minimum 60 Hz	
6	BEE Star Rating of the product	≥ 3 star	

These conditions are mandatory and will override already selected parameters/conditions in case any difference.

S. NO.	PARAMETER	SPECIFICATION	Complied/ Not Complied (To be filled by Firm)
7	Brightness	≥ 400 nits	
8	Viewing Angle	≥ 178°	
9	BEE Energy Notification	S.O. 2785(E) (UHD_TV Notification) Compliant	
10	Smart OS	Google TV / Android TV or equivalent	
11	Wi-Fi	Dual Band	
12	Bluetooth	Version 5.0 or higher	
13	HDMI	≥ 2 Nos.	
14	USB	≥ 2 Nos.	
15	LAN	1 × RJ45	
16	Audio	≥ 20 W RMS with Dolby Audio	
17	Built-in speaker(s)	2 Nos.	
18	Connectivity Ports	Aux (3.5 mm Stereo), HDMI Port, Digital Audio Port (Optical)	
19	Casting	Chromecast / Screen Mirroring	
20	Voice Assistant	Supported	
21	Warranty	≥ 1 Years Comprehensive On-site	

2. GENERAL REQUIREMENTS & TERMS

- **2.1 OEM Support:** The OEM or their Authorized Service Centre shall provide complete comprehensive onsite support during the warranty span.
- **2.2** Bidder has to upload BID specific OEM authorization certificate/form while bidding.
- **2.3** A point-by-point compliance statement duly signed by the bidder in respect of all the points laid down in the specifications should be submitted along with the bid.
- **2.4** Bidder has to submit the datasheet/catalogue of the offered product.

BILL OF MATERIAL (BOM)

SR. NO.	DESCRIPTION OF THE ITEM	MAKE	MODEL	HSN/SAC	QTY.
1	55-inch Smart QLED Television (IPS Panel, BEE & BIS Compliant)				05 Nos. (01 Nos. for each station)

These conditions are mandatory and will override already selected parameters/conditions in case any difference.

TECHNICAL SPECIFICATIONS

The technical specifications of the two additional items proposed for inclusion in the BoQ for the Visual Radio System are as follows:

1) 10 Meter High-Speed HDMI Cable

Parameter	Technical Specification	Complied/ Not Complied (To be filled by Firm)
Item	10 Meter High-Speed HDMI Cable	
Quantity	5 Nos.	
Length	10 Meter	
Connector Type	HDMI Male-to-Male	
Connector Provision	HDMI Male connectors permanently installed/terminated at both ends	
HDMI Version	HDMI 2.0 or higher / equivalent performance	
Maximum Supported Resolution	4K UHD (3840 × 2160)	
Refresh Rate	60 Hz at 4K UHD	
Bandwidth	Minimum 18 Gbps	
Conductor	High-quality copper conductor	
Shielding	Adequate EMI/RFI shielding to ensure reliable signal transmission	
Construction	Durable and flexible outer jacket suitable for professional installation	
Application	Suitable for connection of Smart QLED Television and other equipment forming part of the Visual Radio System	
Warranty	Minimum 1 year	

BoQ Description: 10 Meter High-Speed HDMI Cable, HDMI Male-to-Male, with HDMI connectors permanently installed at both ends, supporting 4K UHD (3840×2160) resolution at 60 Hz, minimum 18 Gbps bandwidth, suitable for Smart QLED Television/Visual Radio System applications.

These conditions are mandatory and will override already selected parameters/conditions in case any difference.

2) 10 Meter CAT-6 Ethernet Cable

Parameter	Technical Specification	Complied/ Not Complied (To be filled by Firm)
Item	10 Meter CAT-6 Ethernet Cable	
Quantity	5 Nos.	
Length	10 Meter	
Cable Category	CAT-6	
Connector Type	RJ-45 Male-to-Male	
Connector Provision	RJ-45 connectors permanently installed/terminated at both ends	
Conductor	100% Copper	
Number of Pairs	4 Twisted Pairs	
Impedance	100 Ω nominal	
Frequency	Up to 250 MHz	
Data Rate	Supports 10/100/1000 Mbps Gigabit Ethernet	
Connector Format	8P8C RJ-45	
Termination	Straight-through configuration, T568B at both ends	
Cable Construction	4-pair twisted cable with suitable insulation and outer jacket	
Application	Suitable for Ethernet/network connectivity of equipment forming part of the Visual Radio System	
Warranty	Minimum 1 year	

BoQ Description:
10 Meter CAT-6 Ethernet Cable, RJ-45 Male-to-Male, with RJ-45 connectors permanently installed at both ends, 4-twisted pair, 100% copper conductor, supporting Gigabit Ethernet, with T568B straight-through termination, suitable for networking applications of the Visual Radio System.

Procurement Note:

For the CAT-6 Ethernet Cable, the requirement of a 100% copper conductor is specified to ensure compliance with the intended networking application and to avoid cables using Copper-Clad Aluminum (CCA) conductors.

These conditions are mandatory and will override already selected parameters/conditions in case any difference.